



Antibody to Somatostatin Receptor-2 (SSTR2) RABBIT POLYCLONAL

Catalog Number: AB-N22
Quantity: 100 microliters
Format: Liquid antisera, no preservative
Host: Rabbit
Immunogen: peptide corresponding to the extracellular domain of rat SSTR2 conjugated to keyhole limpet hemocyanin (KLH)

Background: Somatostatin Receptor-2 is one of five receptor subtypes termed SSTR1-5. They are G-protein-coupled receptors characterized by seven transmembrane helices with an extracellular amino terminal domain and an intracellular carboxy terminus. These receptors function in the regulation of numerous physiological processes such as the secretion of insulin, glucagon, and growth hormone, as well as cell growth induced by neuronal excitation in both the central and peripheral nervous system. Somatostatin receptors are activated via somatostatin secreted by nerve and endocrine cells.

Specificity & Preparation: This antibody was raised against rat somatostatin receptor-2 (SSTR2) and recognizes SSTR2 in human. The somatostatin receptor antisera was developed in rabbit using a peptide corresponding to the extracellular domain conjugated to keyhole limpet hemocyanin (KLH) for immunization. This antibody is routinely tested by immunoblotting.

Usage: Applications include immunoblotting (ATS in-house) using a dilution of 1:500-1:1,000 where two discrete bands are seen at 57 and 59 kDa in Mia PaCa-2 cell membrane extracts representing SSTR2, ELISA (ATS in-house; 1:500), and immunofluorescence.

Storage: Store the antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.



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Control(s): SSTR2 peptide

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